This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

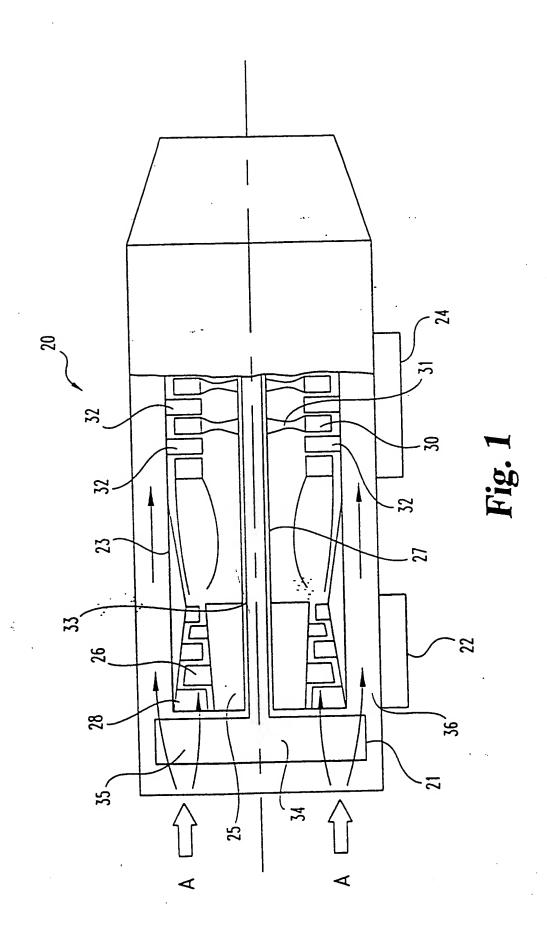
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



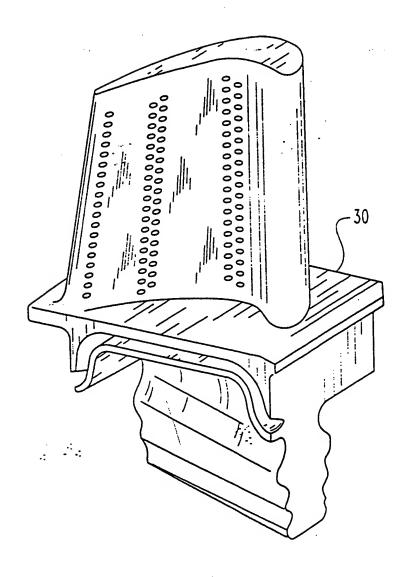


Fig. 2

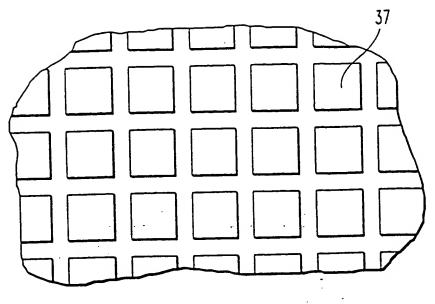


Fig. 3

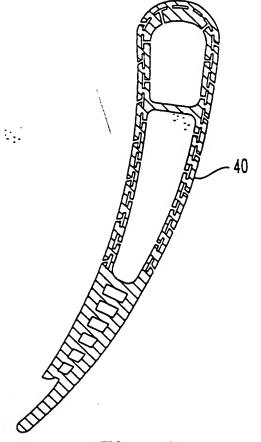


Fig. 4

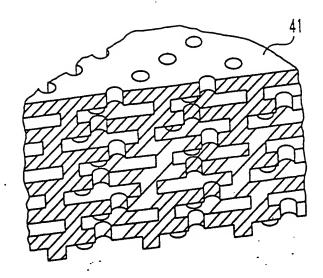


Fig. 5

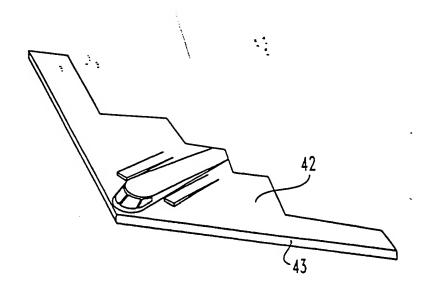


Fig. 6

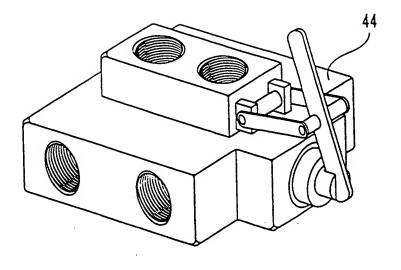


Fig. 7

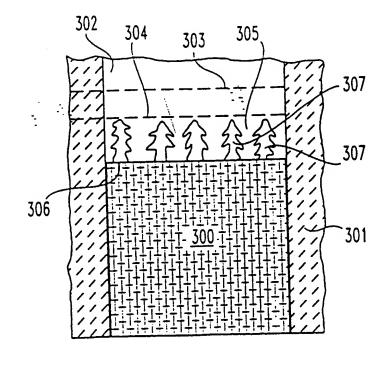
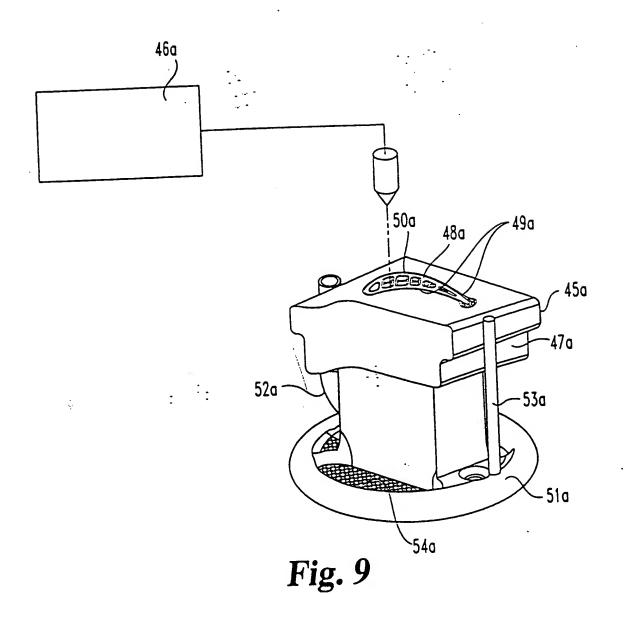
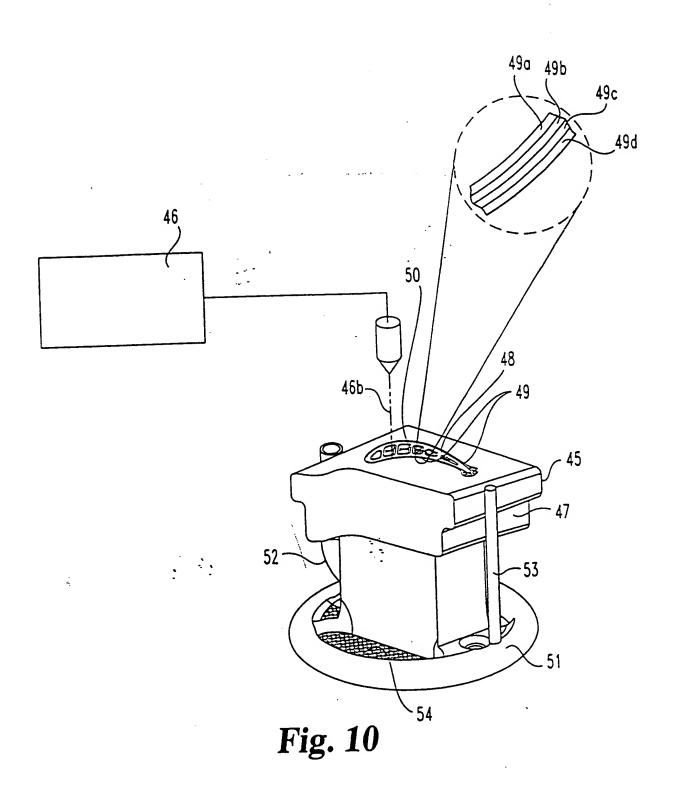


Fig. 8

(port Controlled Information is information may not be exported, released, or disclosed to foreign lonals without first complying with the export license requirements of the ernational traffic in Arms Regulations (ITAR) and/or the Export ministration Regulation (EAR). Violation of ITAR or EAR may be subject a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under i.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include s notice with any reproduction portion of this document.



Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include



Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under US C. 2778 or Section 2410 of the Export Administration Act of 1979. Include U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

This information may not be exported, released, or disci...ed to toreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

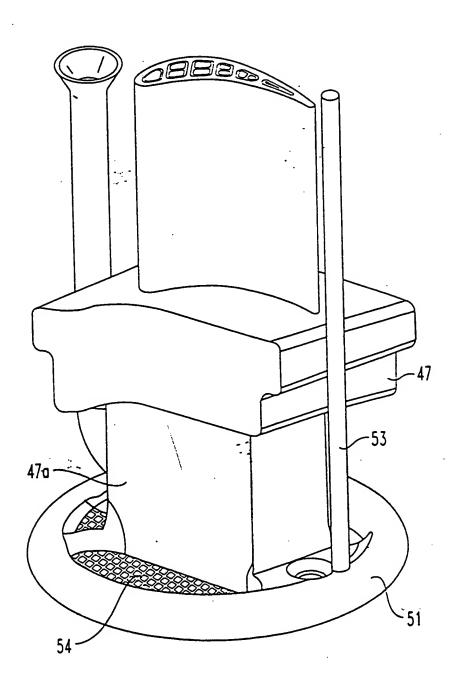


Fig. 11

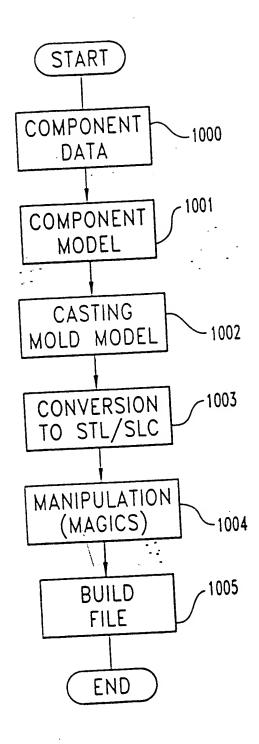


Fig. 12

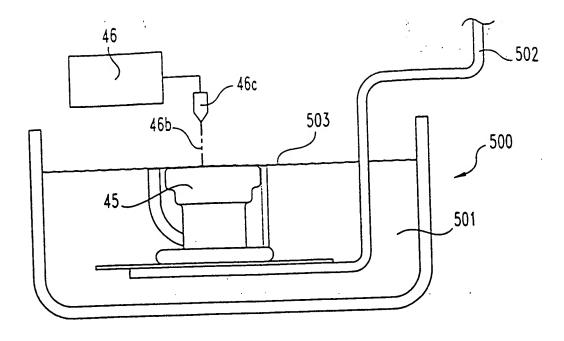


Fig. 13

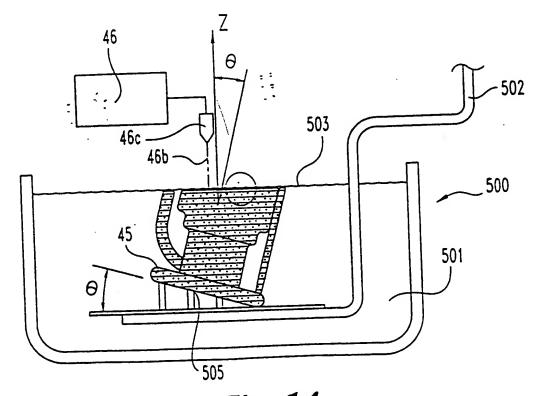


Fig. 14

'Xport Controlled Information
his information may not be exported, released, or disclosed to foreign
his information may not be exported, released, or disclosed to foreign
ationals without first complying with the export license requirements of the
informational traffic in Arms Regulations (ITAR) and/or the Export
idministration Regulation (EAR). Violation of ITAR or EAR may be subject
o a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under
b.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include
his notice with any reproduction portion of this document.

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

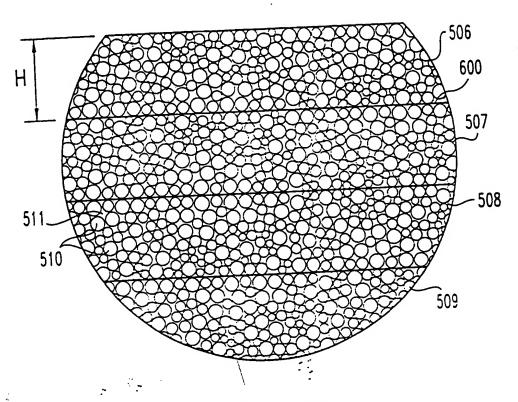
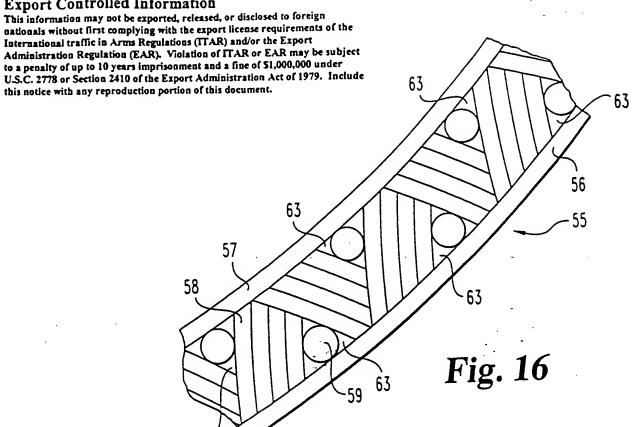
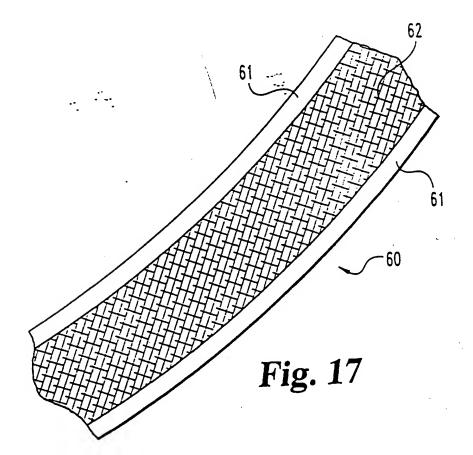
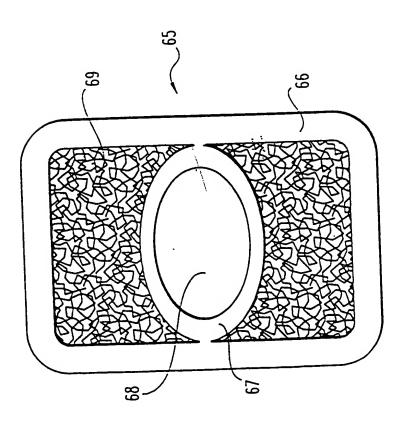


Fig. 15





his information may not be exported, released, or disclosed to foreign atlonals without first complying with the export license requirements of the nternational traffic in Arms Regulations (ITAR) and/or the Export idministration Regulation (EAR). Violation of ITAR or EAR may be subject o a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under J.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include his notice with any reproduction portion of this document.





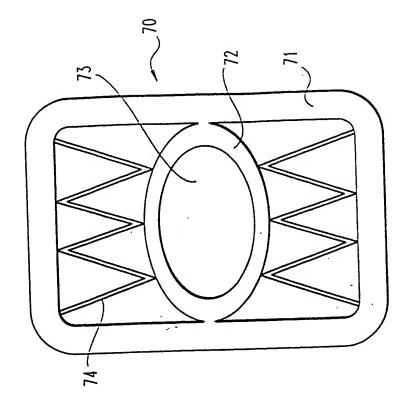
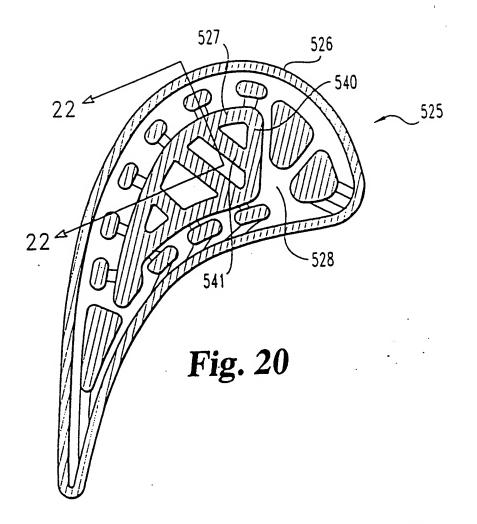
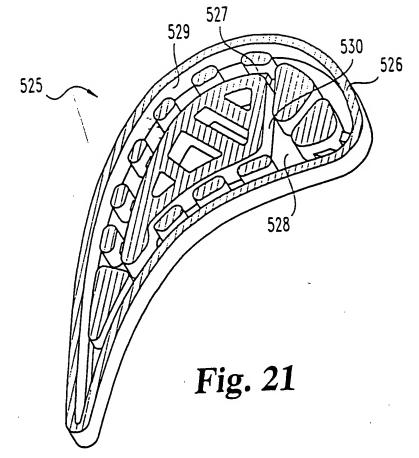


Fig. 19





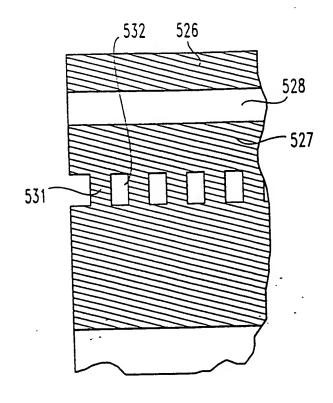
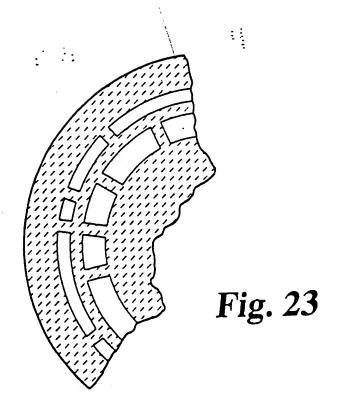


Fig. 22



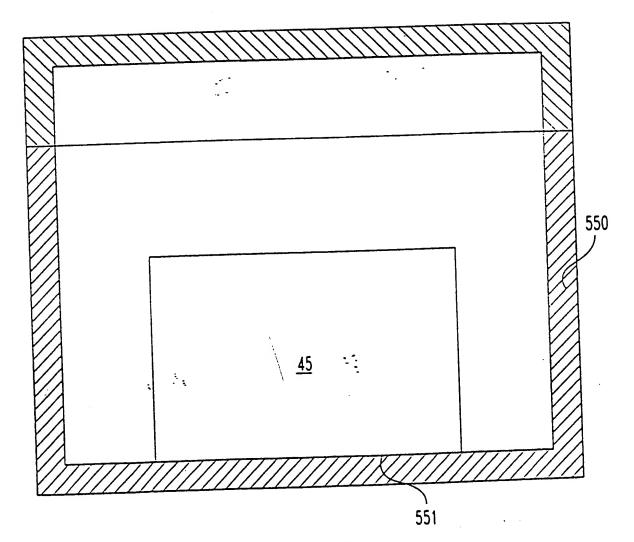


Fig. 24

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the international traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

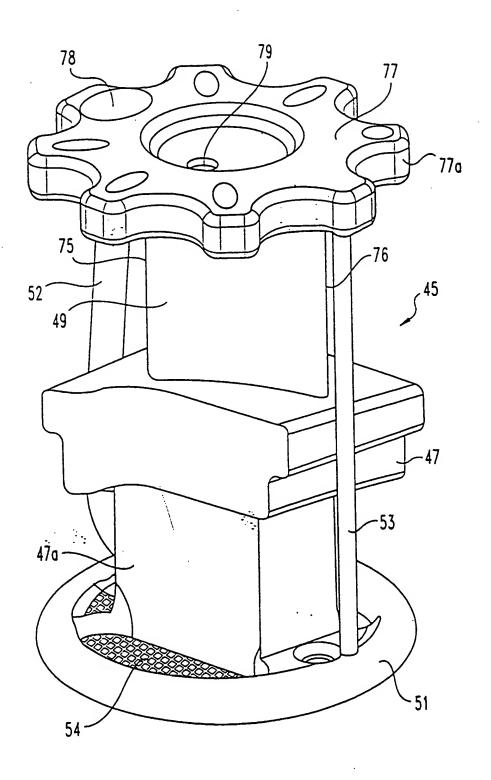


Fig. 25

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under US.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

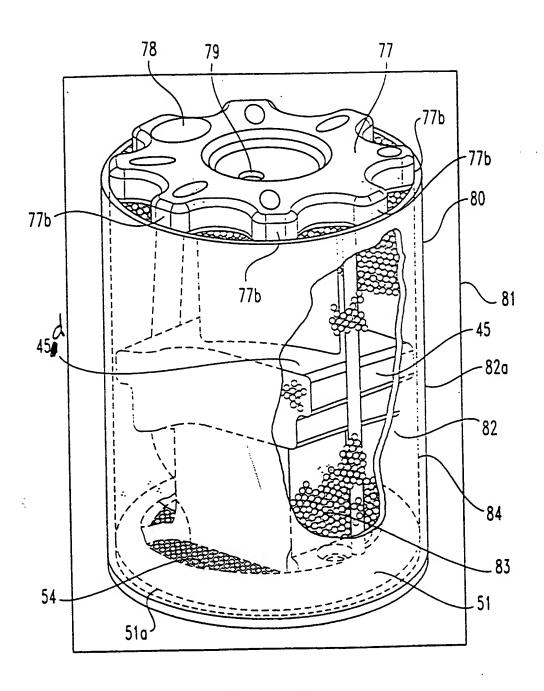


Fig. 26

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

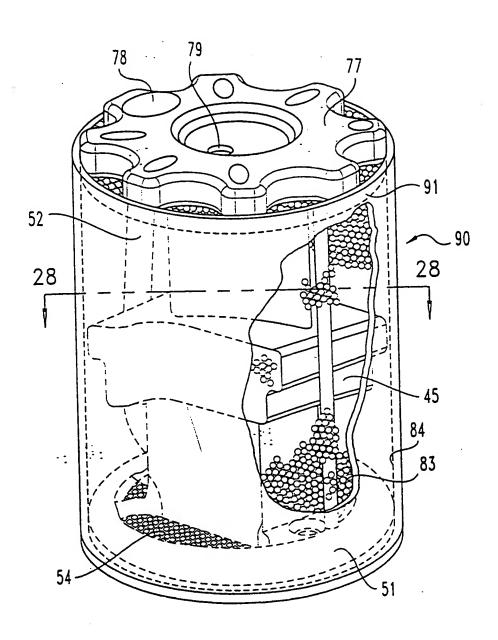


Fig. 27

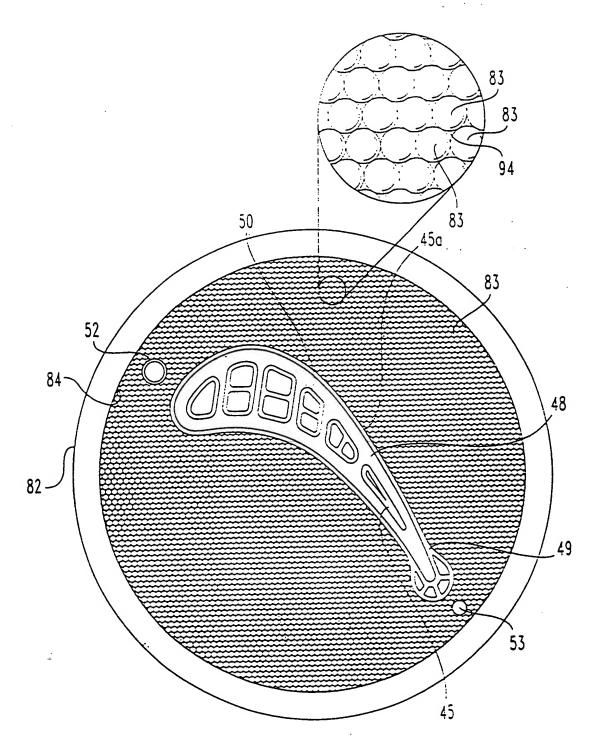


Fig. 28

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this distribution. this notice with any reproduction portion of this desired

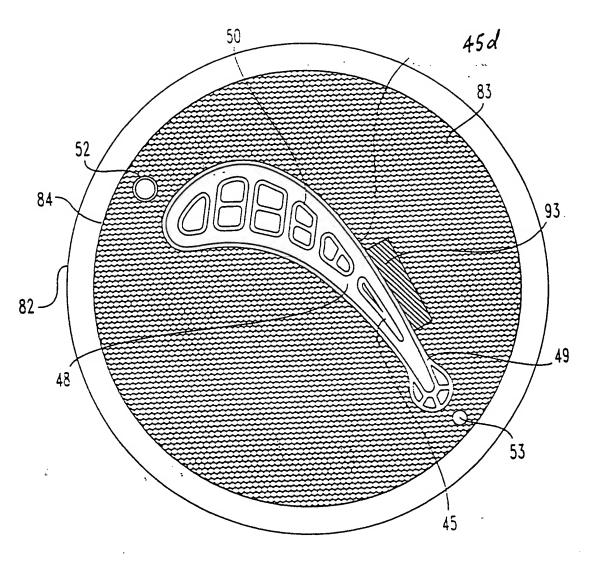


Fig. 29

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the

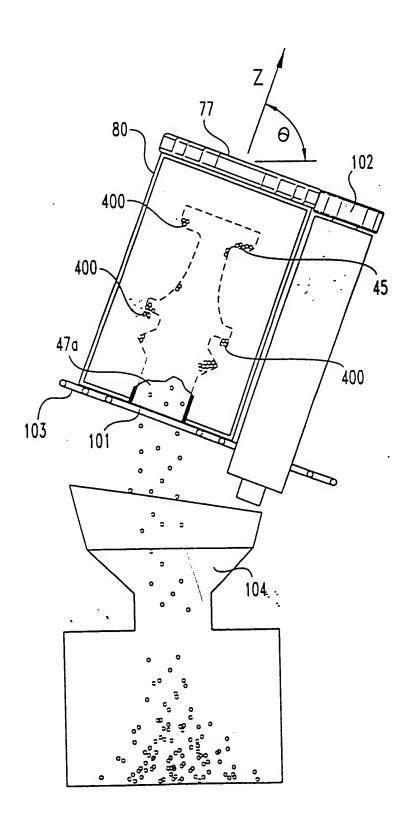
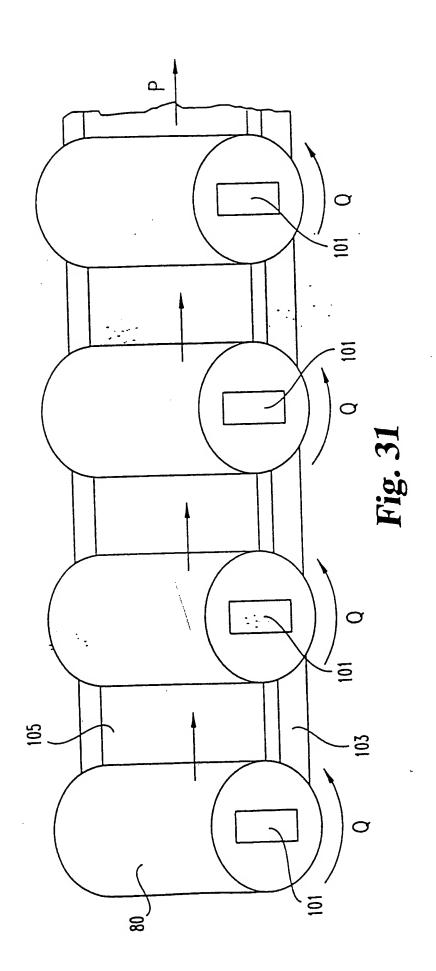


Fig. 30



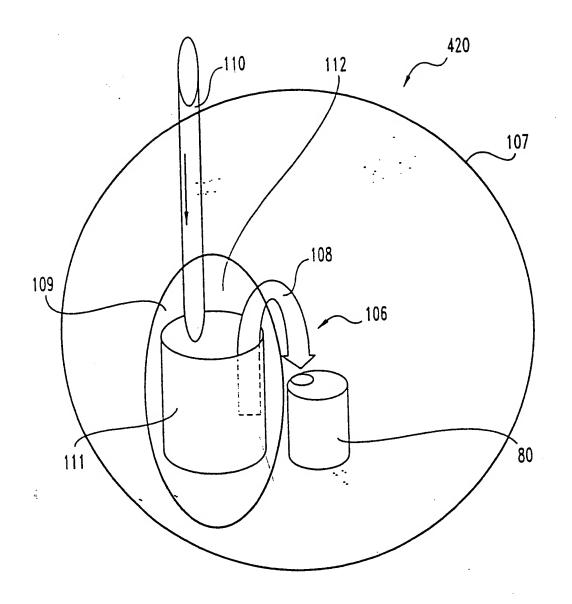
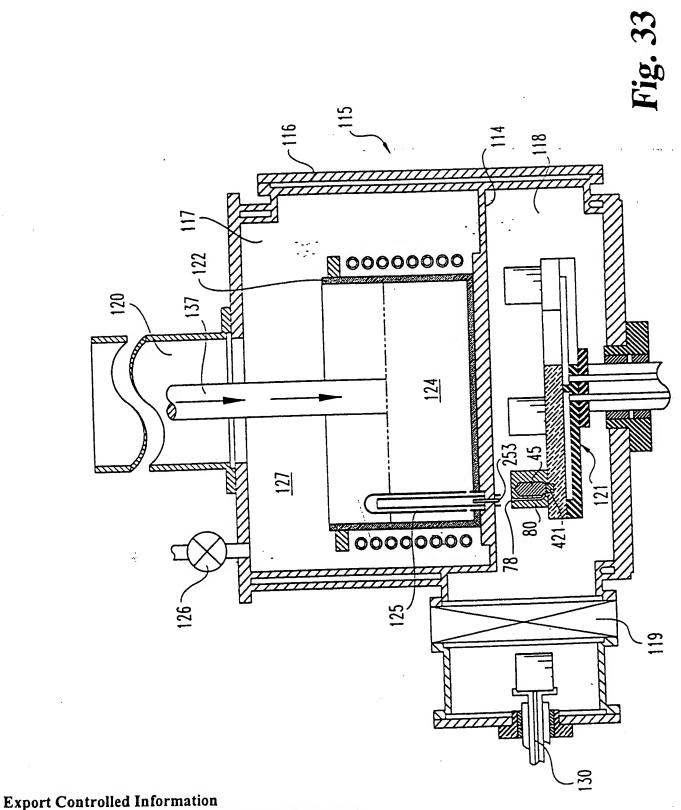


Fig. 32



This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction

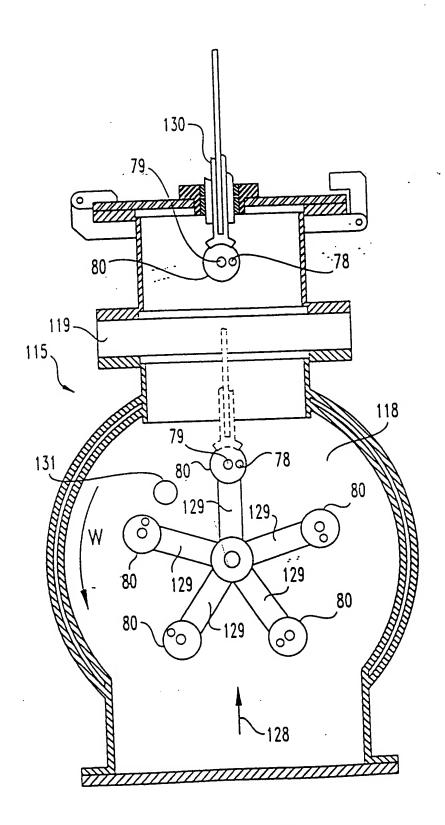
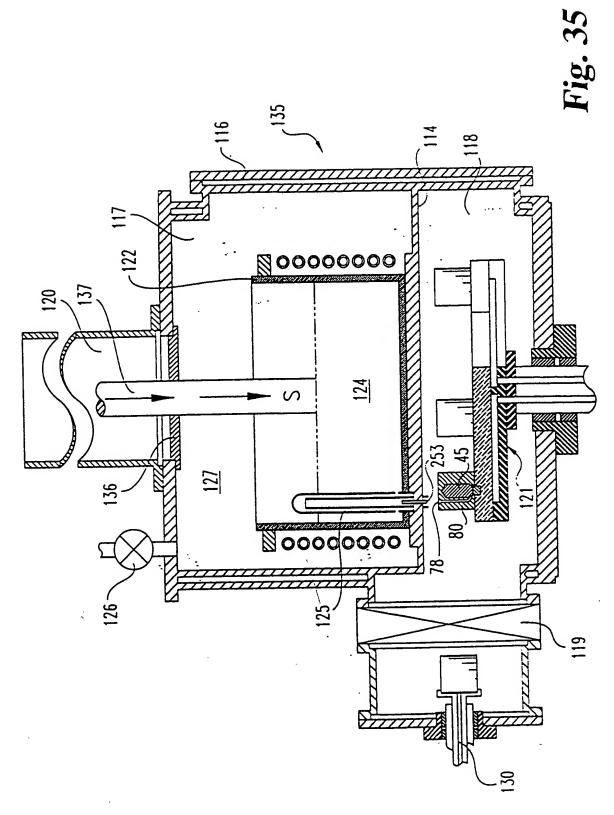
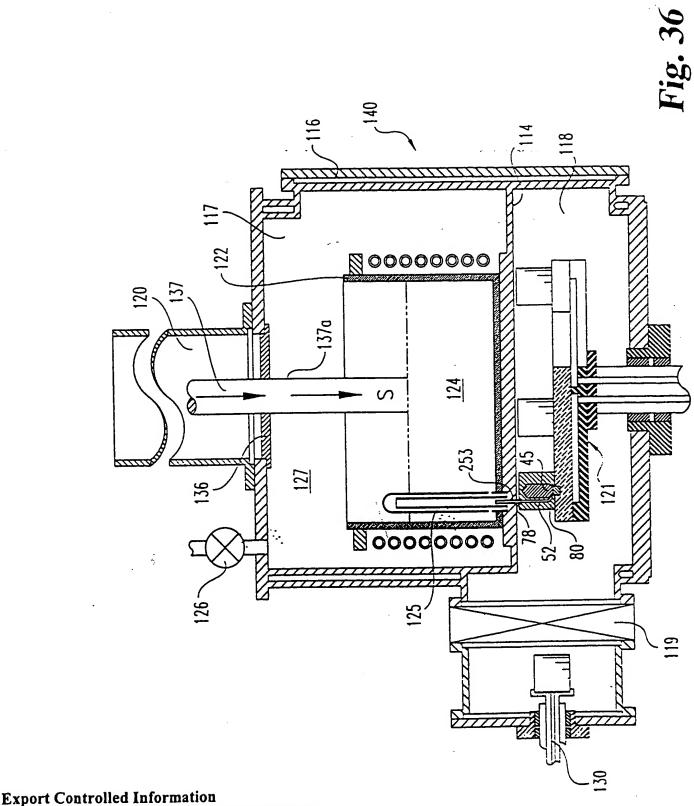


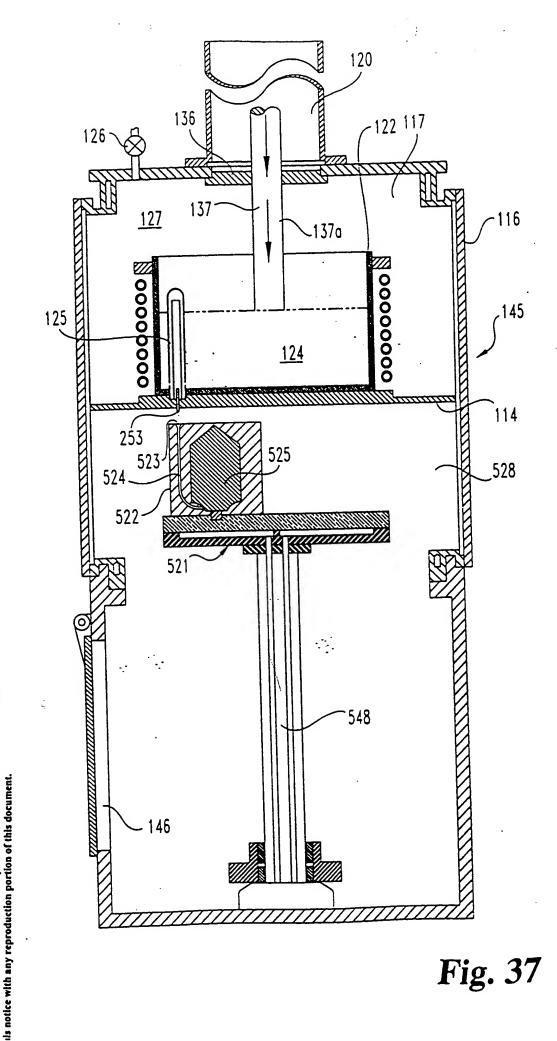
Fig. 34



This information may not be exported, released, or disclosed to foreign sationals without first complying with the export license requirements of the international traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject of a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under J.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include his notice with any reproduction portion of this document.



This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.



.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include dministration Regulation (EAR). Violation of ITAR or EAR may be subject allonals without first complying with the export license requirements of the

a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under

iternational traffic in Arms Regulations (ITAR) and/or the Export

'xport Controlled Information his information may not be exported, released, or disclosed to foreign

Fig. 37

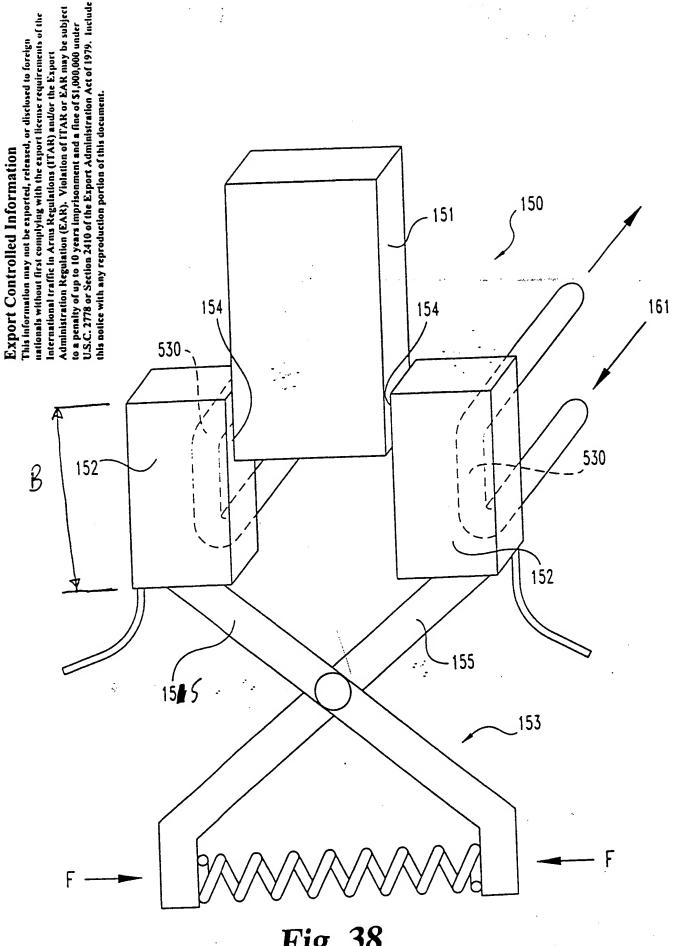


Fig. 38

Export Controlled To mation
This information may not by the ced, released This information may not be ced, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

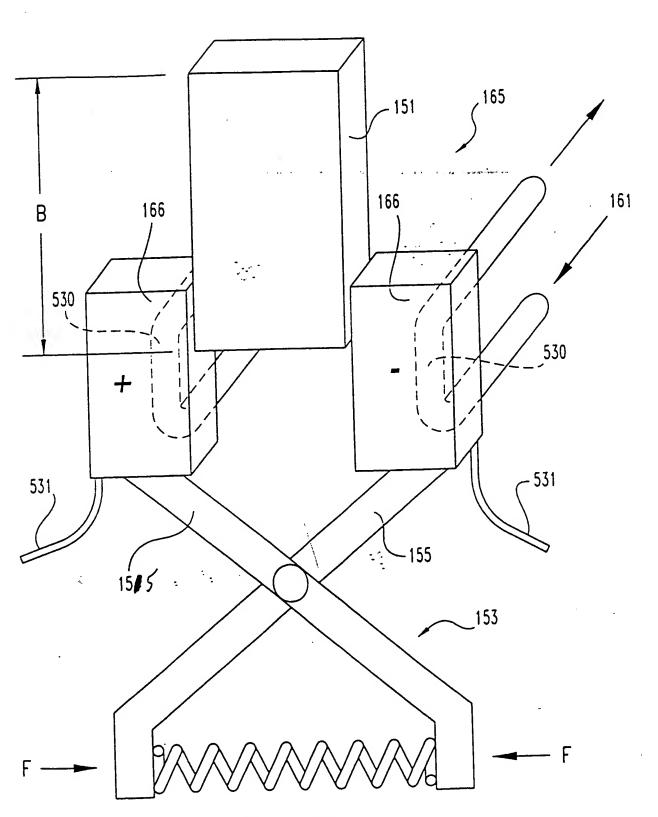
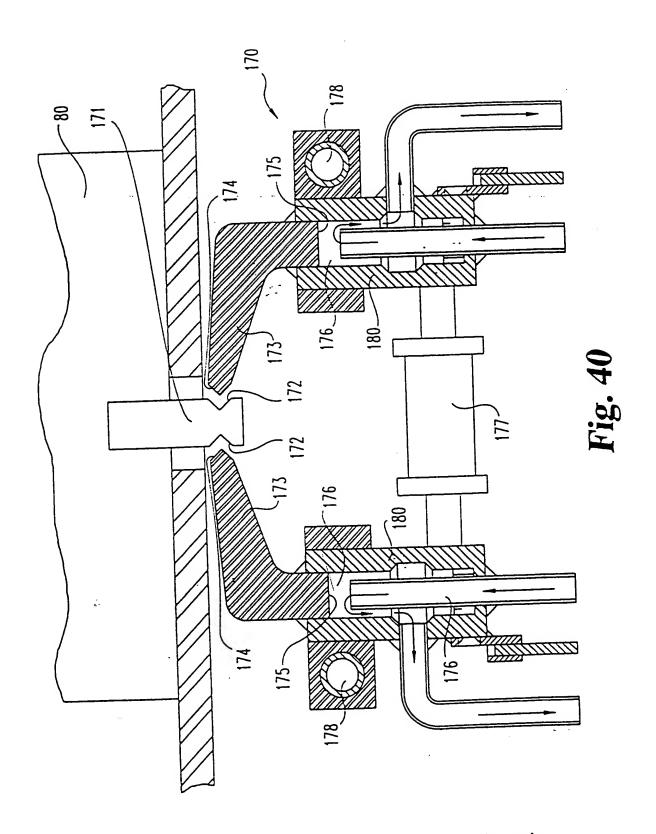
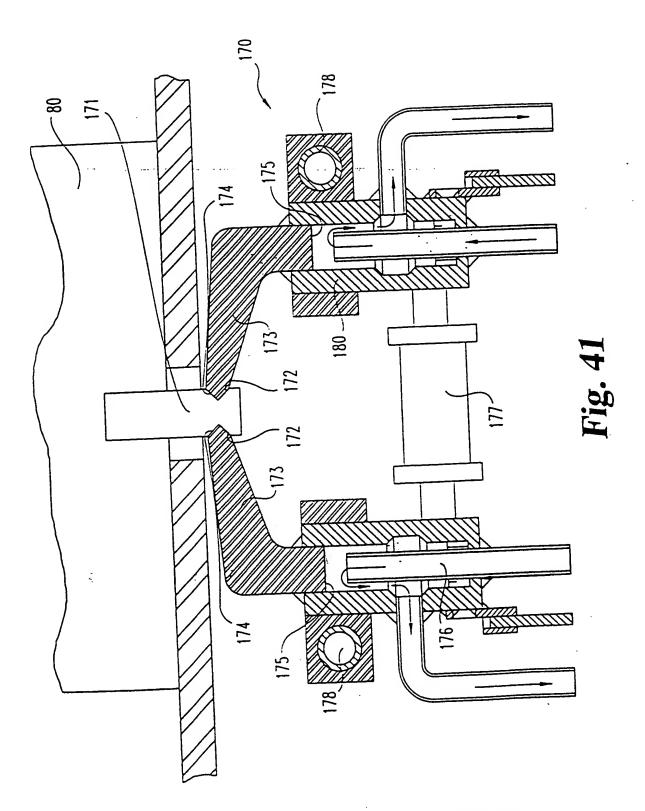


Fig. 39



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any conroduction portion of this document. this notice with any reproduction portion of this document.



Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

Export Controlled Information This information may not be exported, released, or disclosed to foreign initionals without first complying with the export license requirements of the nternational traffic in Arms Regulations (ITAR) and/or the Export (dministration Regulation (EAR). Violation of ITAR or EAR may be subject on a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under J.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include his notice with any reproduction portion of this document.

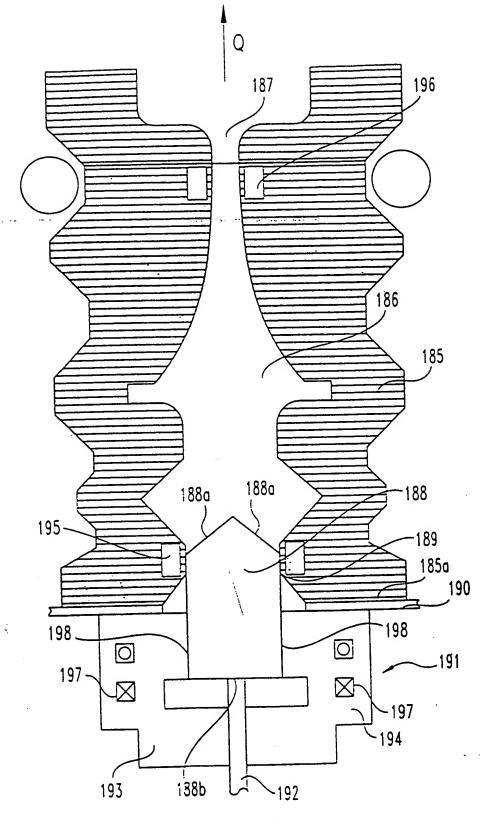


Fig. 42

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000.000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

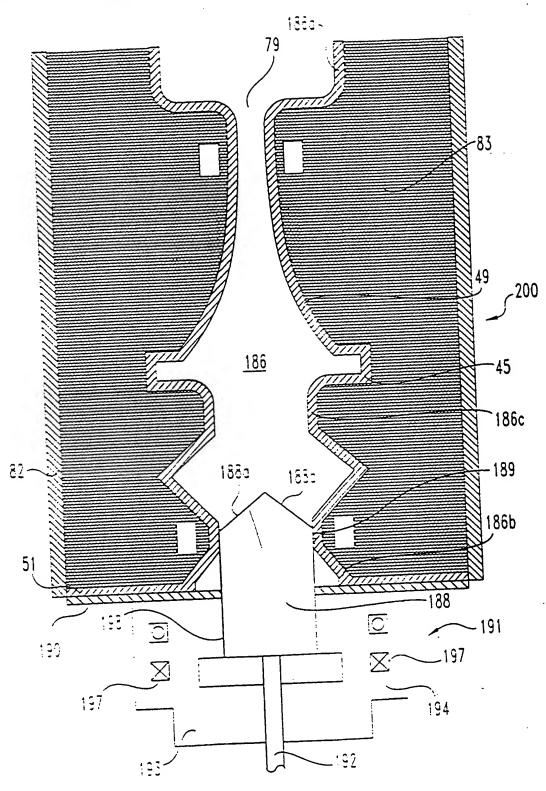


Fig. 43

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

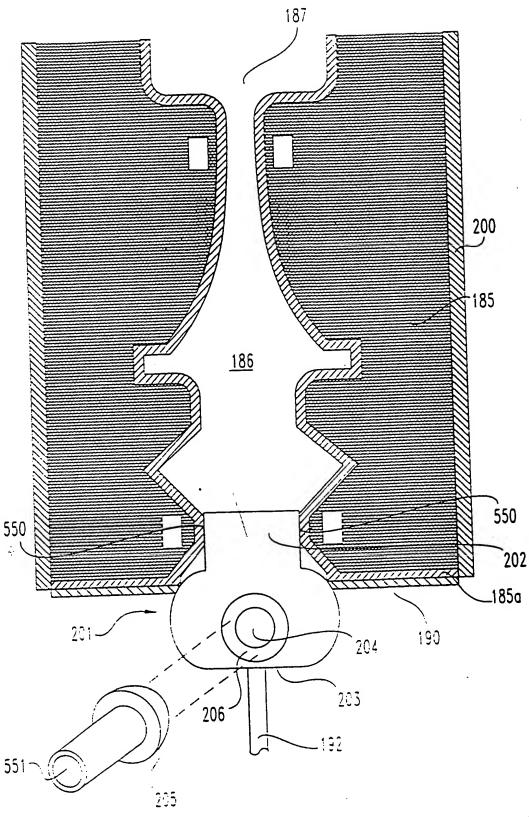


Fig. 44

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

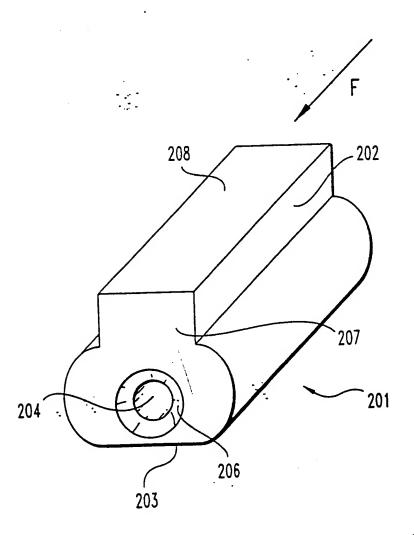


Fig. 45

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (TTAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

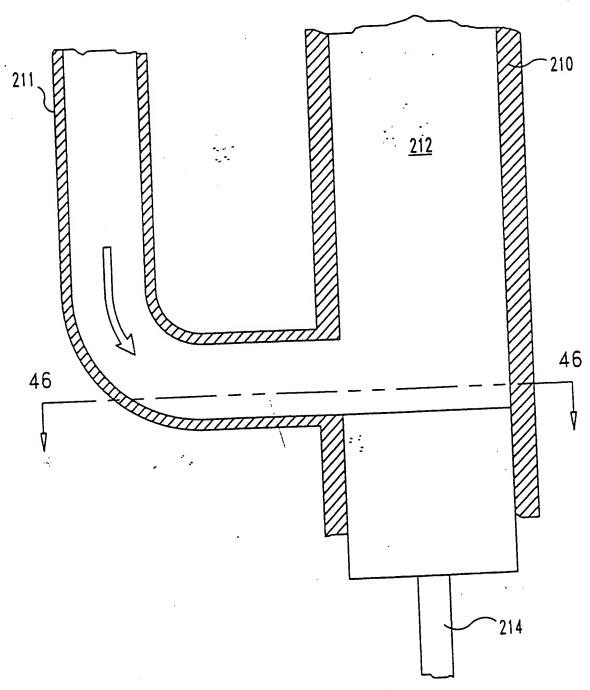


Fig. 46A

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

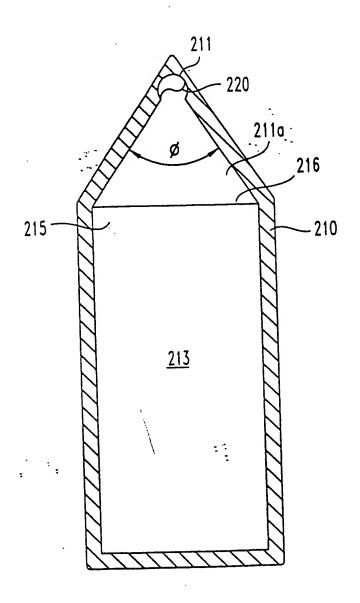
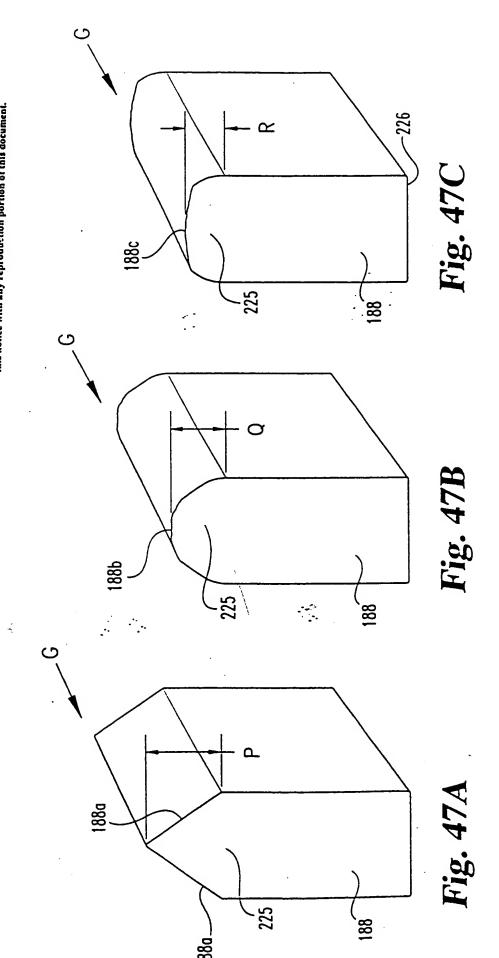


Fig. 46B

Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the international traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.



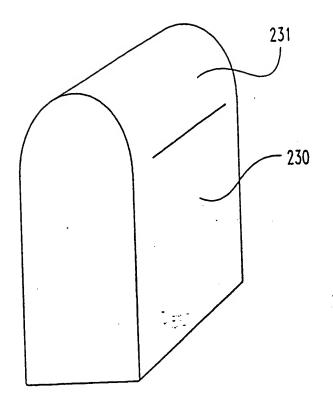
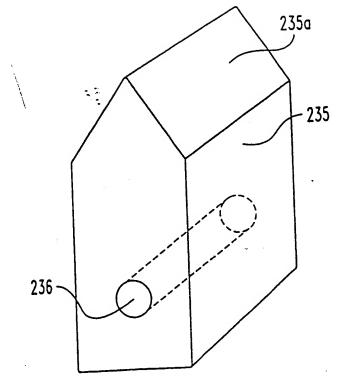


Fig. 48



Export Controlled Information

This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include

Fig. 49

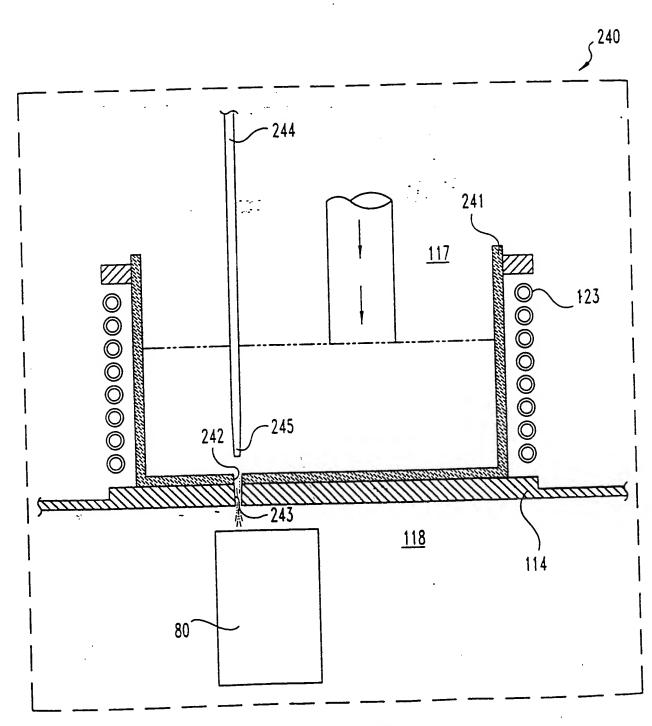
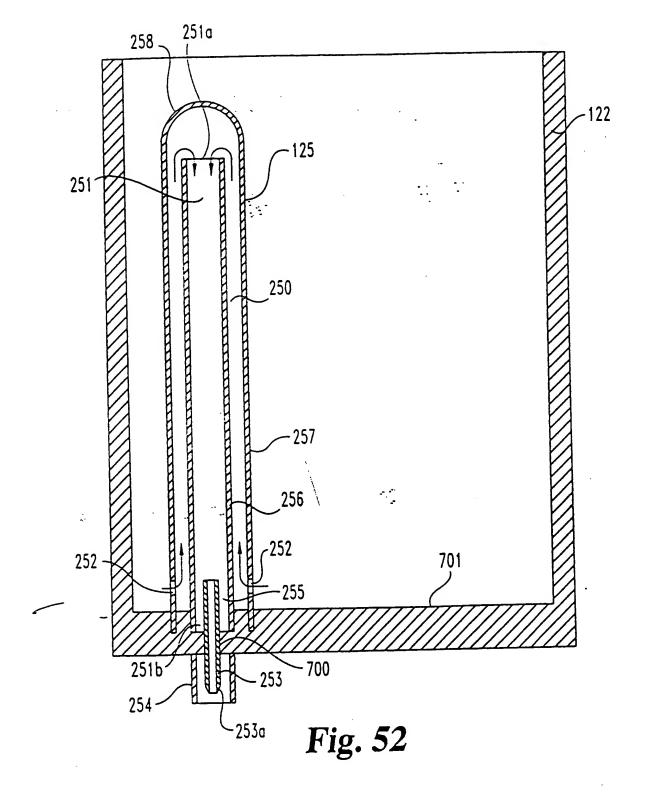


Fig. 51



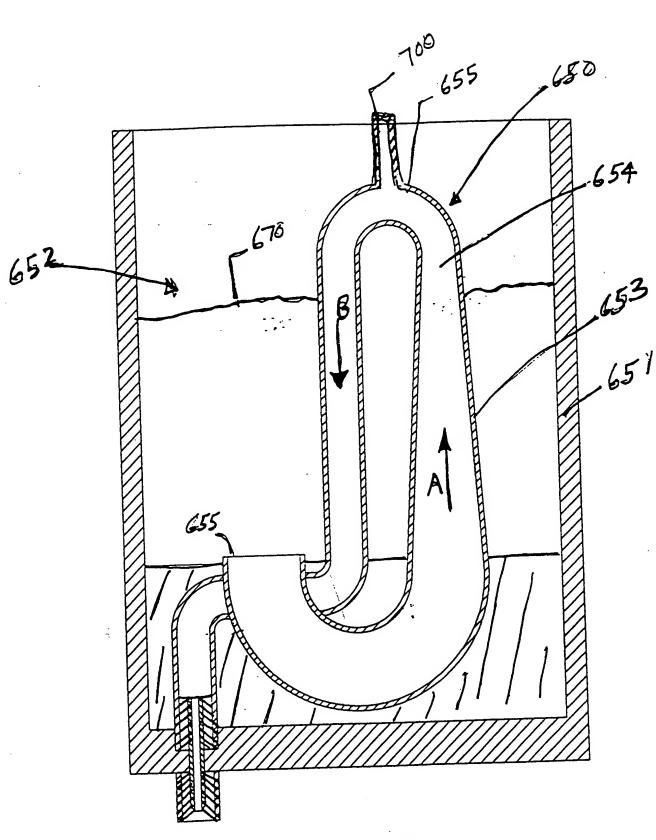
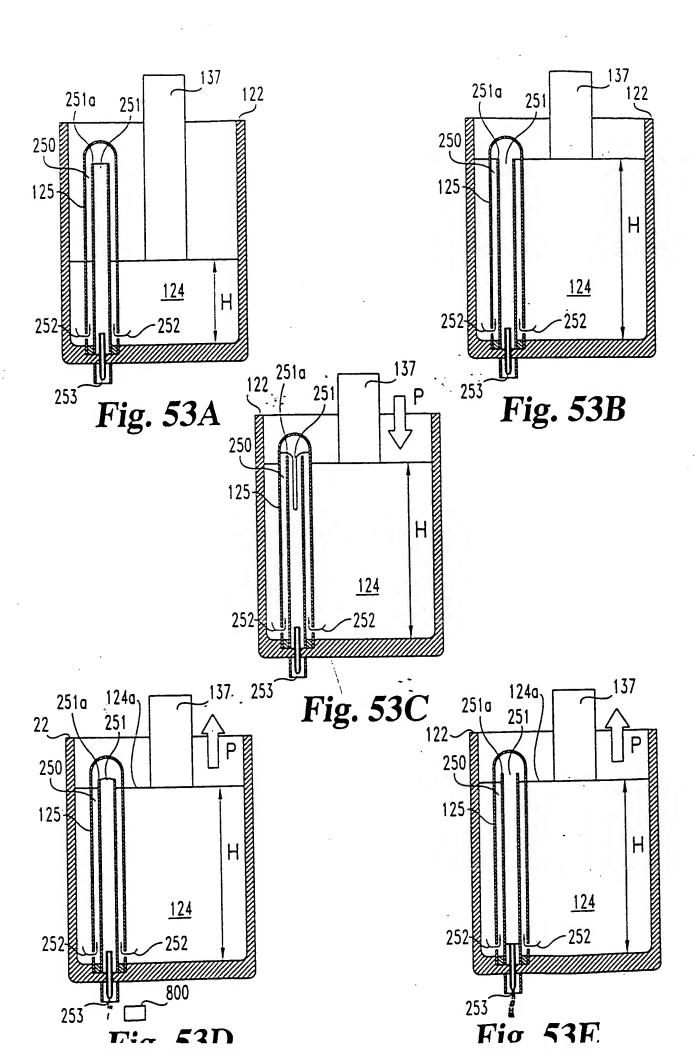
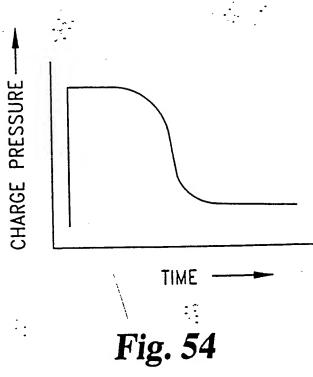


Fig. 52a





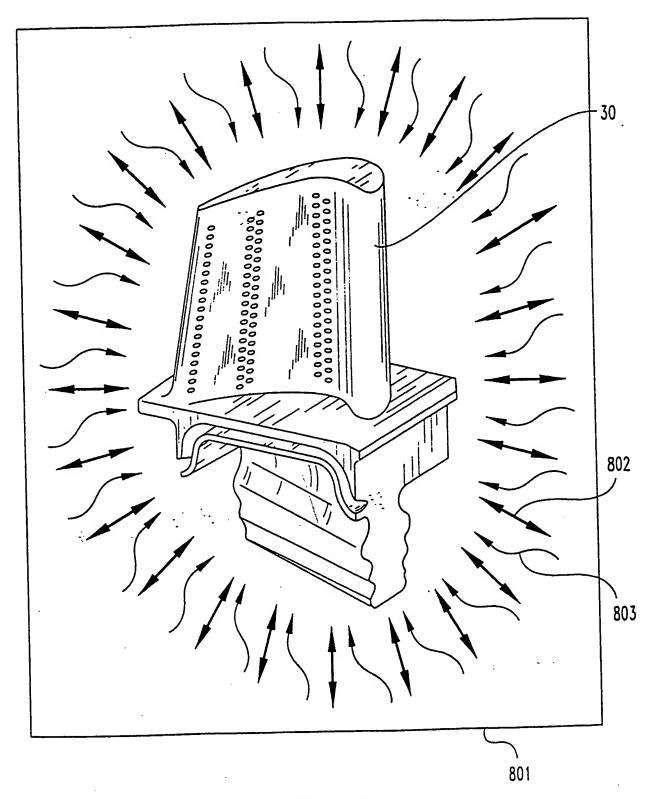


Fig. 55

Export Controlled Information
This information may not be exported, released, or disclosed to foreign nationals without first complying with the export license requirements of the International traffic in Arms Regulations (ITAR) and/or the Export Administration Regulation (EAR). Violation of ITAR or EAR may be subject to a penalty of up to 10 years imprisonment and a fine of \$1,000,000 under U.S.C. 2778 or Section 2410 of the Export Administration Act of 1979. Include this notice with any reproduction portion of this document.

